



VL149

LTE Vehicle Terminal

The VL149 is a compact GPS tracking terminal designed for vehicles. With a 4G Cat.1 communications module and a broad operating voltage from 9V to 90V, it delivers good performance at a competitive price. In addition to satellite signals, it leverages base stations (LBS) and AGPS to enhance location accuracy. It also incorporates features like driving behavior analysis, exception alerts, and remote immobilization to provide better protection. The optional TTL interface facilitates easy function expansion, such as anti-theft capabilities. Ideal for auto insurance, monitoring, and rental of motorcycles and electric vehicles, the VL149 may be a great choice for those seeking reliable and cost-effective vehicle tracking solutions.



4G Connectivity

Communication via 4G Cat.1 networks for fast data transmission.



GPS/BDS/LBS Positioning

A synergy of multiple positioning systems ensures that locations are accurately displayed on the cloud platform.



Driving Behavior Analysis (Basic)

Receive alerts when any of 4 kinds of dangerous driving behavior is detected.



Multiple Alerts

Instant alerts for atypical events such as unexpected vibration, speeding, low battery, tamper, and unauthorized wire-cutting.



Remote Cut-Off (Fuel/Power)

Immobilize a vehicle by cutting off its power source/fuel supply via command.



Compact Size

Ideal for installing in a small space to maximize unnoticeability.



9-90V Operating Voltage

Compatible with a wide range of input voltage, able to work on diverse vehicles.



TTL Interface (Optional)

Able to connect with different accessories for feature expansions.

Auto Insurance



Vehicle Rental



Logistics



Fleet Management



GNSS

Positioning system	GPS+BDS
Frequency	L1/B1
Positioning accuracy	<2,5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTF (open sky)	Avg. hot start ≤ 1sec Avg. cold start ≤ 32sec

Cellular

Communication network	4G Cat.1
Frequency	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41

Power

Battery	60mAh/3.7V industrial-grade Li-Polymer battery
Input voltage	9~90VDC
Standby current	≤5mA

Interface

LED indication	GNSS (Blue), Cellular (Green)
SIM	Nano-SIM
Data storage	4MB+4MB

Physical specification

Dimensions	80 x 31 x 13mm
Weight	28g

Operating environment

Operating temperature	-20°C to 70°C
IP rating	IPX4

Feature

Sensors	Accelerometer
Scenarios	Vehicle movement alert, Speeding, Geo-fence entry/exit, Vehicle battery detection
Driving behavior analysis	Harsh acceleration, Harsh braking, Harsh cornering